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TITLE: ADJUSTING METHODS OF AUTOMATIC STEERING CONTROL

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APPL-NO: JP56061575

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## ABSTRACT:

PURPOSE: To enable the fixed direction to keep precisely even though it cruises on the sea area on which effect of tide and wind is strong by combining signals obtained through a magnetic sensor with signals obtained through a manual operation.

CONSTITUTION: A ship 2 has a magnetic sensor 3 detecting the bearings comparing with terrestrial magnetism and a steering angle sensor 8 detecting the direction of a rudder comparing with the ship. By comparing the output signals A, B from the magnetic sensor 3 and the steering angle sensor 8 to each other in a comparator 9, the direction of the rudder can be automatically controlled. A remote controller 11 for inputting a manual signal C instead of a signals A detected by the magnetic sensor is independently provided to construct a new signal A obtained by combining the signal C from the remote controller to the signal A. As a result, using the new signal A and the signal B permits the optimum direction to be obtained.

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